

# SEQUENCE LISTING

<110> Bristol-Myers Squibb Company

<120> A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMY14, RELATED TO THE ORPHAN GPCR, GPR73

<130> D0118 NP

<150> US 60/266,525

<151> 2001-02-05

<150> US 60/329,897

<151> 2001-10-16

<160> 92

<170> PatentIn version 3.0

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Phe Ile Phe Ile Ala Ala Leu Val Arg Tyr Lys Lys Leu Arg Asn Leu  
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Phe Val Gly Pro Val Val Thr Met Thr Leu Cys Tyr Ala Arg Ile Ser  
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260 265 270

Arg Lys Arg Leu Arg Cys Arg Arg Lys Thr Val Leu Val Leu Met Cys  
275 280 285

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Ile Val Arg Asp Phe Phe Pro Thr Val Phe Val Lys Glu Lys His Tyr  
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Leu Thr Ala Phe Tyr Ile Val Glu Cys Ile Ala Met Ser Asn Ser Met  
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Ile Asn Thr Leu Cys Phe Val Thr Val Lys Asn Asp Thr Val Lys Tyr  
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Phe Lys Lys Ile Met Leu Leu His Trp Lys Ala Ser Tyr Asn Gly Gly  
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 Glu Met Asp Tyr Tyr Val Val Arg Gln Leu Ser Trp Glu His Gly His  
 85 90 95  
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 Ser Thr Asn Ala Leu Leu Ala Ile Ala Ile Asp Arg Tyr Leu Ala Ile  
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 Thr Met Thr Leu Cys Tyr Ala Arg Ile Ser Arg Glu Leu Trp Phe Lys  
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Pro Thr Val Phe Val Lys Glu Lys His Tyr Leu Thr Ala Phe Tyr Val  
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Val Thr Val Lys Asn Asn Thr Met Lys Tyr Phe Lys Lys Met Met Leu  
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Arg Leu Lys  
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Glu Glu Asp Val Thr Asn Ser Arg Thr Phe Phe Ala Ala Lys Ile Val  
50 55 60

Ile Gly Met Ala Leu Val Gly Ile Met Leu Val Cys Gly Ile Gly Asn  
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Phe Ile Phe Ile Thr Ala Leu Ala Arg Tyr Lys Lys Leu Arg Asn Leu  
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Thr Asn Leu Leu Ile Ala Asn Leu Ala Ile Ser Asp Phe Leu Val Ala  
100 105 110

Ile Val Cys Cys Pro Phe Glu Met Asp Tyr Tyr Val Val Arg Gln Leu  
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Thr Val Ser Leu Tyr Val Ser Thr Asn Ala Leu Leu Ala Ile Ala Ile  
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Asp Arg Tyr Leu Ala Ile Val His Pro Leu Arg Pro Arg Met Lys Cys  
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Gln Thr Ala Ala Gly Leu Ile Phe Leu Val Trp Ser Val Ser Ile Leu  
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Ile Ala Ile Pro Ala Ala Tyr Phe Thr Thr Glu Thr Val Leu Val Ile  
 195 200 205

Val Glu Arg Gln Glu Lys Ile Phe Cys Gly Gln Ile Trp Pro Val Asp  
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Gln Gln Phe Tyr Tyr Arg Ser Tyr Phe Leu Leu Val Phe Gly Leu Glu  
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Phe Val Gly Pro Val Val Ala Met Thr Leu Cys Tyr Ala Arg Val Ser  
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Arg Glu Leu Trp Phe Lys Ala Val Pro Gly Phe Gln Thr Glu Gln Ile  
 260 265 270

Arg Arg Thr Val Arg Cys Arg Arg Arg Thr Val Leu Gly Leu Val Cys  
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Val Leu Ser Ala Tyr Val Leu Cys Trp Ala Pro Phe Tyr Gly Phe Thr  
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Ile Val Arg Asp Phe Phe Pro Ser Val Phe Val Lys Glu Lys His Tyr  
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Leu Thr Ala Phe Tyr Val Val Glu Cys Ile Ala Met Ser Asn Ser Met  
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Ile Asn Thr Leu Cys Phe Val Thr Val Arg Asn Asn Thr Ser Lys Tyr  
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Leu Lys Arg Ile Leu Arg Leu Gln Trp Arg Ala Ser Pro Ser Gly Ser  
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Glu Glu Val Asp Cys Ile Arg Leu Lys  
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10057549 000500

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Val	Val	Gly	Asn	Ser	Leu	Val	Ile	His	Val	Val	Ile	Lys	Phe	Lys	Ser																																								
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1. The first group of people who are interested in the results of the study are the researchers themselves. They want to know how well the study was conducted and whether the results are reliable. They also want to know what the implications of the results are for future research.

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Thr	Leu 50	Val	Glu	Val	Gln	Ile 55	Ile	Leu	Ile	Phe	Ala 60	Tyr	Cys	Ser	Ile
Ile 65	Leu	Leu	Gly	Val	Ile 70	Gly	Asn	Ser	Leu	Val 75	Ile	His	Val	Ile	Ile 80
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Val	Tyr	Thr 115	Leu	Leu	Gly	Glu	Trp 120	Lys	Leu	Gly	Pro	Val 125	Leu	Cys	His
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Glu	Ser	Lys	Ile	Ser 165	Lys	Arg	Ile	Ser	Phe 170	Leu	Ile	Ile	Gly	Val 175	Ala
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Val Ser Met Leu Leu Ile Gln Tyr Val Leu Pro Leu Ala Ile Ile Ser  
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Gly Ala Gly Asn Asp His Tyr His His Arg Arg Gln Lys Thr Thr Lys  
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Met Leu Val Cys Val Val Val Val Phe Ala Val Ser Trp Leu Pro Phe  
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His Ala Phe Gln Leu Val Ser Asp Ile Asp Ser Gln Val Leu Asp Leu  
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Lys Glu Tyr Lys Leu Ile Tyr Thr Val Phe His Val Ile Ala Met Cys  
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Arg Thr Ala Phe Leu Thr Ala Phe Gln Cys Glu Gln Arg Leu Asp Ser  
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<400> 22

Tyr Lys Lys Leu Arg Asn Leu Thr Asn Leu Leu Ile Ala Asn  
1 5 10

<210> 23  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 23

Phe Val Thr Val Lys Asn Asp Thr Val Lys Tyr Phe Lys Lys  
1 5 10

<210> 24  
<211> 13  
<212> PRT  
<213> homo sapiens

<400> 24

Thr Leu Cys Phe Val Thr Val Lys Asn Asp Thr Val Lys  
1 5 10

<210> 25

<211> 13

<212> PRT

<213> homo sapiens

<400> 25

Thr Val Lys Asn Asp Thr Val Lys Tyr Phe Lys Lys Ile  
1 5 10

<210> 26

<211> 18

<212> PRT

<213> homo sapiens

<400> 26

Leu Leu His Trp Lys Ala Ser Tyr Asn Gly Gly Lys Ser Ser Ala Asp  
1 5 10 15

Leu Asp

<210> 27

<211> 27

<212> PRT

<213> homo sapiens

<400> 27

Thr Val Ser Leu Tyr Val Ser Thr Asn Ala Leu Leu Ala Ile Ala Ile  
1 5 10 15

Asp Arg Tyr Leu Ala Ile Val His Pro Leu Arg  
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<211> 8

<212> PRT

<213> bacteriophage T7

<400> 28

Asp Tyr Lys Asp Asp Asp Asp Lys  
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<210> 29

<211> 733

<212> DNA

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tctcccgga tctgaggtc acatgcgtgg tggaggacgt aagccacgaa gaccctgagg 180  
tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240  
aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300  
ggctgaatgg caaggagtac aagtgcagg tctccaacaa agcctccca acccccatcg 360  
agaaaacat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420  
catcccgga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480  
atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540  
ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg 600  
acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggtctctg 660  
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gactctagag gat 733

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<400> 31  
aattttatgc tgactcagcc cca 23

<210> 32  
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<400> 32  
gcagcagcgg ccgcacttcc ttccattca acttcagc 38

<210> 33  
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<212> DNA  
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<400> 33  
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<210> 34  
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<210> 35  
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<400> 37  
tgccagcag ggcatt 16

<210> 38  
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<400> 38  
tacctgcgca ctgtctctct ctatgtctcc a 31

<210> 39  
<211> 40  
<212> DNA  
<213> Homo sapiens



<222> (21)..(78)  
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<400> 42  
aaaaggaaaa aagcggccgc vnnvnnvnnv nnvnnvnnvn nvnnvnnvnn vnnvnnvnnv 60  
nnvnnvnnvn nvnnvnnvnn gccgcccga cccgg 95

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<220>  
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<400> 43  
auccugagug uucaccugcu gaccu 25

<210> 44  
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<212> DNA  
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<220>  
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<400> 44  
uuggcccacg auuuguacac cucca 25

<210> 45  
<211> 25  
<212> DNA  
<213> ARTIFICIAL

<220>  
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<400> 45  
acaugagcac caggaccguc uuccu 25

<210> 46  
<211> 25  
<212> DNA  
<213> ARTIFICIAL

<220>  
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cacagaaugu caggaguugu ccaga 25

205020 6492907

<210> 47  
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<400> 48  
cccgtggac cacgaa 16

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<400> 49  
ggctcgctc ttccatgtc 19

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<400> 50  
aaccgggac ttggagaagc actgc 25

<210> 51  
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<400> 51  
gaggatgagg agagctatga caca 24

<210> 52  
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<212> DNA  
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<400> 52  
ccctttgcac tcataacgtc ag 22

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<400> 53  
aaacacacag tcatcatagg gcagctcgt

29

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<400> 54  
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23

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23

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<400> 56  
gaggtgcagc tggcgcagtc tgg

23

<210> 57  
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<400> 57  
caggtgcagc tgcaggagtc ggg

23

<210> 58  
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<400> 58  
gaggtgcagc tggcgcagtc tgc

23

<210> 59  
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23

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<210> 67  
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<400> 67  
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<210> 68  
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<400> 68  
gacatcgtga tgacccagtc tcc

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<210> 69  
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<400> 69  
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23

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<400> 72  
cagtctgccc tgactcagcc tgc 23

<210> 73  
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<400> 73  
tcctatgtgc tgactcagcc acc 23

<210> 74  
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<400> 74  
tcttctgagc tgactcagga ccc 23

<210> 75  
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<400> 75  
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<210> 76  
<211> 23  
<212> DNA  
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<400> 76  
caggctgtgc tcactcagcc gtc 23

<210> 77  
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<400> 77  
aattttatgc tgactcagcc cca 23

<210> 78  
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<212> DNA  
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<400> 78  
acgtttgatt tccaccttgg tccc

24

<210> 79  
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<400> 79  
acgtttgatc tccagcttgg tccc

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<210> 80  
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<400> 80  
acgtttgata tccactttgg tccc

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<400> 81  
acgtttgatc tccaccttgg tccc

24

<210> 82  
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acgtttaatc tccagtcgtg tccc

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23

<210> 84  
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<400> 84 23  
cagtctgccc tgactcagcc tgc

<210> 85  
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<400> 85 23  
tcctatgtgc tgactcagcc acc

<210> 86  
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<400> 86 23  
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<400> 88

Val Asp Thr Phe Phe Glu Asp Ile Pro Trp Gly Phe Val Leu Phe  
1 5 10 15

<210> 89  
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<212> PRT  
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<220>  
<223> Synthesized Random Peptide.

<400> 89

Leu Phe Val Asp Lys Trp Asp Leu Ser Asn Phe Trp Gly Gly Gly  
1 5 10 15

<210> 90  
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<220>  
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<400> 90

Leu Phe Leu Glu Ala Trp Asp Leu Ser Asp Thr Pro His Leu Tyr  
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<212> PRT  
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<220>  
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<400> 91

Val Trp Gly Asn Ser Leu Ile Val Gly Arg Trp Asp Val Val Gly  
1 5 10 15

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<220>  
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<400> 92

Ile Gly Gly Val Gly Asp Gly Leu Tyr Val Val Ser Trp Asp Leu  
1 5 10 15